



**GOVERNMENT OF ODISHA**

**WATER RESOURCES DEPARTMENT**

**C.E. & B.M. INDRAVATI – KOLAB BASIN**

**NABARANGPUR IRRIGATION DIVISION**

**NABARANGPUR**

**ANNUAL REPORT**

**OF**

**NABARANGPUR IRRIGATION DIVISION ,NABARANGPUR**

**FOR**

**THE YEAR 2016-17**

# **ANNUAL REPORT OF NABARANGPUR IRRIGATION DIVISION ,NABARANGPUR FOR THE YEAR 2016-17**

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Nabarangpur Irrigation Division, Nabarangpur was created on Dt 1.06.2016 by way of redeployment vide D.O.W.R. Notification FE-I-VIA -22/2016 – 11972 dated 21.05.16 and E.I.C. Water Resources No. IE –III D –Gaz-04 /2011( Vol-II ) 19664 /WE 26.05.16 to look after the Water Resources activities of Nabarangpur District .Executive Engineer , Quality Control Division ,Khatiguda remain in Additional charge of the Division from Dt. 1.06.16 . Regular posting of Executive Engineer to the Division was made vide D.O.W.R.,Odisha order No. 13922/WR dated 16.06.2016.

## **Assignment of work**

- 1) As per D.O.W.R. Notification No. WR-FE-III-ADM-0028-2016 No 21580 Dtd 15.09.2016 ,considering administrative convenience ,Nabarangpur Irrigation Sub-Division No.II ,Umarkote under Nabarangpur Irrigation Division was created by way of redeployment of Nabarangpur Irrigation Sub-Division No.II,Nabarangpur .Thereafter ,this Sub-division took over the charge of redeployed Bhaskel Irrigation Sub-Division of Kalahandi Irrigation Division ,Bhawanipatana on Dt. 07.11.2016.
- 2) As per order No.29746 dtd. 20.08.16 of E.I.C. Water Resources Bhubaneswar ,this office has taken over the works related to River Embankment and Flood Protection of Nabarangpur ,Koraput and Malkanagiri District.from Upper Kolab Irrigation Division ,Borigumma on Dt. 23.08.16.

## **Accomodation**

There was no official building of Water Resources Department in the District head quarter Nabarangpur . On the request of C.E.& B.M.Indravati – Kolab Basin , Collector & D.M.,Nabarangpur instructed Executive Engineer Lift Irrigation Division , Nabarangpur vide their letter No. 187 Dtd. 2.09.2016 to allot one of their building to this Division , as they were in possession of old R.T.O. office Building of Revenue Dept. for functioning of their Division Office .Accordingly as per Let. No. 1653 /Dt. 04.10.16 of E.E. , L.I. Division ,Nabarangpur, this office occupied one of their A.C. Sheet roof building on Dt. 5.10.16.

## **Requisition of Govt. Land for Division Office .**

C.E. & B.M.Indravati – Kolab Basin vide letter No. 7151 Dtd. 11.08.2016 has requested Collector & D.M.,Nabarangpur to provide 6.0 to 10.0 Ac. of Govt.land in Nabarangpur District Head quarter for construction of Division Office Building and Staff Quarter .Collector & D.M. vide his Let. No. 2272/XXIII-37/2016 Dtd. 16.09.2016 directed

Tahasildar Nabarangpur and Nandahandi to identify Govt. Land for above purpose .  
The work is in process and expected to be sorted out by June 2016 .

### **Present Status of Division Office**

The Division office is now functioning in a A.C. Sheet roof building , at Chamuriaguda allotted by L.I. Division ,Nabarangpur. It is now equipped with minimum necessary furnitures and compluters and other office articles .

### **Staff position of Division**

- 1.Sri Pramod Kumar Sahoo.E.E.
- 2.Gopa Kumar V. Sr. Clerk
- 3.Sri Anand Kumar Panda Sr. Clerk
- 4.Miss Bihula Kumari Jr. Clerk
- 5.Sri Dinesh Kumar Peon.

**The overall sanction strength and available strength of the Division is as follows**

Sl.No.	Name of Post	Sanction Strength	Available Strength	Vacancy
1	Executive Engineer	1	1	0
2	Deputy Executive Engineer	1	0	1
3	Asst. Executive Engineer	2	2	0
4	Asst. Engineer	5	1	4
5	Estimator	1	0	1
6	Junior Engineer	6	1	5
7	Senior Clerk	2	2	0
8	Junior Clerk	7	1	6
9	Draftsman	1	0	1
10	Tracer	1	0	1
11	Peon	10	2	8
12	N.W.S.	1	0	1
	<b>Total</b>	<b>38</b>	<b>10</b>	<b>28</b>

### **Componentwise Budget and Expenditure during the Financial year 2016-17**

#### **1.Plan Scheme under Chief Engineer & Basin Manager ,Indravati-Kolab Basin**

Sl.No.	Head	Allotment in lakhs	Expenditure in lakhs
1	Salary of Regular Staff	56.78	22.05
2	Salary of W/C staff	0	0
3	Works	261.00	213.26

## 2.Non-Plan Scheme under Chief Engineer & Basin Manager ,Indravati-Kolab Basin

Sl.No.	Head	Allotment in lakhs	Expenditure in lakhs
1	Maintenance work –Critical	0	0
2	Maintenance work	10.98	10.97
3	Road and Bridges	0	
4	Spl. Repair	2.34	2.30
5	Non Residential Building	0	
6	Residential Building	4.20	4.03
	Total	17.52	17.30

## 3.Plan Scheme under Chief Engineer & Basin Manager ,Lower Mahanadi Basin

Sl.No.	Head	Allotment in lakhs	Expenditure in lakhs
1	River Embankment	20.01	14.96
	Total	20.01	14.96

## 4.Plan Scheme under Chief Engineer & Basin Manager ,Indravati- Kolab Basin

Sl.No.	Head	Allotment in lakhs	Expenditure in lakhs
1	DRIP ( Bhaskel Dam )	223.46	181.00
	Total	223.46	181.00

## Details of Expenditure of Work in the Financial Year 2016-17 ( Amount in lakhs )

Sl. No.	Head /Scheme	Name of Project	Est.Co st	Ag.Am ount	Expen diture	Status of Work
1	DRIP	Impv.to Bhaskel Irrigation Project	952.8	664.73	180.4	Ongoing
2	Non Plan Maintenance	Renovation of Canal Bed of Right Disty from R.d. 00 to 5800m	1.35	1.35	1.35	Complete d
3	Non Plan Maintenance	Renovation of Canal Bed of Right Disty from R.d. 15000 to 19000m	1.21	1.21	1.21	Complete d
4	Non Plan Maintenance	Renovation of Canal Bed of Right Disty from R.d. 9500 to 13000m	1.48	1.48	1.48	Complete d
5	Non Plan Maintenance	Impv.of Canal service Road from 14540 to 15040 of Right Disty.	9.45	8.98	6.93	Ongoing
6	Res.Building	Rep. Of Watchman Shed atN.I.Sub-Divn.II Umarkote	1.20	1.12	1.12	Complete d

7	Res.Building	Rep. Of Watchman Shed at N.I.Divn.Nabarangpur	3.0	2.87	2.92	Completed
8	Spl Repair	Repair to C/S at Gatiguda S/M and Tisaguda S/M	2.34	2.30	2.30	Completed
9	State Plan RE	Slope Protection Work of Right Bank of River Poteru	50.0	42.20	14.48	Ongoing

### **Nabarangpur Irrigation Division has 3 sub-Divisions**

- Nabarangpur Irrigation Sub-Division No.I,Nabarangpur
- Nabarangpur Irrigation Sub-Division No.II,Umarkote .
- Nabarangpur Irrigation Sub-Division No.III,Khatiguda .

### **Nabarangpur Irrigation Sub-Division No.I ,Nabarangpur**

#### **Staff Position**

1.Sri Rebati Ranjan Mohanty ,A.E.

#### **Jurisdiction of Work**

No work has been assigned to the Sub-Division due to want of full fledged staff.Sri Mahanty A.E. posted to the Sub-Division has been asked to work under the control of S.D.O.,N.I.Sub-Division No.III for the proposed Flood Control Work under RIDF XXII and also look after the Estimate Branch of Division Office.

### **Nabarangpur Irrigation Sub-Division No.II ,Umarkote.**

#### **Staff Postion**

- 1.Sri Niranjana Sahu, A.E.E.
- 2.Sri Bibhuti Bhusan Pattnaik ,J.E. ( On deputation from K.I.Divn.Bhabanipatana.)
- 3.Sri Amiya Kumar Bhoi. J.E. Contactual ( On deputation from K.I.Divn.Bhabanipatana.)
4. Sri Subash Ch Tripathy Driver ( On deputation from Q.C..Divn.Khatiguda.)
- 5.Sri Krishna Chandra Punji ,Khalasi W/C ( On deputation from K.I.Divn.Bhabanipatana.)
- 6 Srimati Saraswati Gauduni Khalasi W/C ( On deputation from K.I.Divn.Bhabanipatana.)
- 7.Kasinath Behera Khalasi W/C ( On deputation from K.I.Divn.Bhabanipatana.)
- 8.Mangulu Bhatra Khalasi W/C ( On deputation from K.I.Divn.Bhabanipatana.)

The 6 nos of staff of Kalahandi Irrigation Division , working on deputation are to be relieved w.e.f 30.04.17 vide E.I.C. Order No.40568 Dt.19.11.16 .As no new staff has been posted to the sub-Division ,E.I.C. Water Resources has been requested to extend their deputation period until joining of new staff.

## **Jurisdiction of Work .**

As per D.O.W.R. Notification No. WR-FE-III-ADM-0028-2016 No 21580 Dtd 15.09.2016, this sub-Division took over the charge of Bhaskel Irrigation Project with on going works from Kalahandi Irrigation Division on Dt.7.11.2016. Since then it is looking after the Kharif irrigation of 4250 Ha and Rabi Irrigation of 1050 Ha. It has also taken over the on going Dam rehabilitation work ( DRIP ) of Bhaskel Dam and the Running and Maintenance work of Canal System under Non-Plan and Res and Non-Res building at Umarkote. Further 30 nos of Project under MGNREGS 2017-18 amounting to Rs 88.50 lakhs for renovation of Sub-Minor of total length of 42.03 K.M. covering an ayacut of 2509.95 Ha has been submitted to Collector ,Nabarangpur vide T.O.140 Dt.23.02.17 for approval.

## **Nabarangpur Irrigation Sub-Division No.III ,Khatiguda.**

### **Staff Position**

- 1.Sri V.Koteswar Rao, A.E.E.
- 2.Sri Chdamani Kalo ,J.E.
- 3.Sri Pravat Ranjan Adha. J.E. Contactual (Abscent for long period.)
- 4.Sri Sebakdan Garada ,Peon .
- 5.Sri Dhani Khemundu ,Khalasi W/C ( On deputation from Q.C..Divn.Khatiguda.)

### **Jurisdiction of Work .**

As per the instruction of C.E. & B.M. ,Indravati – Kolab Basin , the said Sub-Division has been entrusted with the Flood Protection Work of Koraput ,Nabarangpur and Malkanagiri District received from U.K.I. Division ,Borigumma on Dt 23.08.16 vide order No.29746 dtd. 20.08.16 of E.I.C. Water Resources Bhubaneswar. There are 6 nos of work under State Plan RE received from U.K.I. Division ,Borigumma in on-going condition . Out of them 3 nos of work were damaged and slipped and the contractor are disputing to restore the same and to do the balance work as per sanctioned estimate .The matter has been reported to U.K.I. Division Borigumma and to higher authority .The detailed status of work as follows.

Sl. No .	Name of Work	Ag.No	Ag.Amount	Expenditure made	Remark
1	Protection of Right bank of river Indravati near village Bagdari	59F2/15-16	53.77	45.36	Received in damaged condition and the executant is disputing the work to restore and complete .
2	Protection of Right bank of river Indravati near village Bhatiguda	1F2/16-17	42.14	19.40	Received in damaged condition and the executant is disputing the work to restore and complete .

3	Protection of Left Bank of River Indravati near village Girla.	141F2/ 15-16	25.16	12.83	On-going stage and the executants has been asked to rectify defects and execute as per sanctioned estimate
4	Slope protection to right bank of Joura Nalla near village Surli under Kotpad Block.	156F2/ 15-16	42.07	22.76	Received in damaged condition and the executant is disputing the work to restore and complete .
5	Slope protection work to right bank of river Potteru near village Potteru.	154 F2/15- 16	42.21	14.48	Work started by this Division and it is in on- going stage
6	Protection of Left Bank of Joura Nalla near village Sutipadar .	157F2/ 15-16	16.9	0	Notice has been served for starting the work otherwise it will be foreclosed.

Besides the above work the , the sub-Division has been entrusted with preparation of estimate of 9 nos work under RIDF XXII and 1 no of Critical work which has been completed and are in tender process .These are as follows .

Sl.No.	Scheme	Name of Work	Est. Cost.	Rem.
1	RIDF XXII	Protection to Right Bank of River Indravati near Bhatiguda	168.82	The work is in tender process
2	RIDF XXII	Protection to Right Bank of River Indravati near Bagdari	204.18	The work is in tender process
3	RIDF XXII	Protection to right Bank of River Indravati near Jagniguda of Nabarangpur District	236.70	The work is in tender process
4	RIDF XXII	Protection to right Bank of River Indravati near Alupadar of Nabarangpur District	100.13	The work is in tender process
5	RIDF XXII	Protection to right Bank of River Indravati near Ghatchura of Nabarangpur District	214.25	The work is in tender process
6	RIDF XXII	Protection to Right Bank of Joura Nallah near surli	190.42	The work is in tender process
7	RIDF XXII	Protection to Right Bank of River Sati near Tankua	58.06	The work is in tender process
8	RIDF XXII	Protection to Right Bank of River Sati near Taridiput	48.67	The work is in tender process
9	RIDF XXII	Protection to Right Bank of River Sati near Dimala	72.85	The work is in tender process

1	Critical 2017- 18	Construction of Spur on right bank of river Indravati near Bhatiguda	50.00	The work is in tender process
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### **Quality Control Aspect**

The materials used in the work are being tested in Quality Control Laboratory of Upper Indravati Quality Control Division ,Khatiguda .The Executive Engineer and his staff are visiting work site from time to time and action are taken as per their report and recommendation .

### **Inspection of Higher Authority .**

C.E. & B.M. Indravati- Kolab Basin has visited the work site of Bhaskel Dam and Flood Protection Work at different time and action has been taken as per his instruction and recommendation .World Bank Consultant has also inspected the DRIP work of Bhaskel dam and action has been taken as per their findings and recommendation.

### **Conclusion.**

This Division is a new Division . Steps has been taken for allotment of Govt. Land at Nabarangpur Munispal Area by Collector Nabarangpur .It is suffering from Staff crunch which is standing on the way of achieving the target . Higher Offices has been requested for posting of regular and W/C staff to the Division.

Executive Engineer  
Nabarangpur Irrigation Division.  
Nabarangpur

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**NABARANGPUR DISTRICT MAP**



**RIVER AND NALLAH OF NABARANGPUR DISTRICT.**



## **BHASKEL DAM**

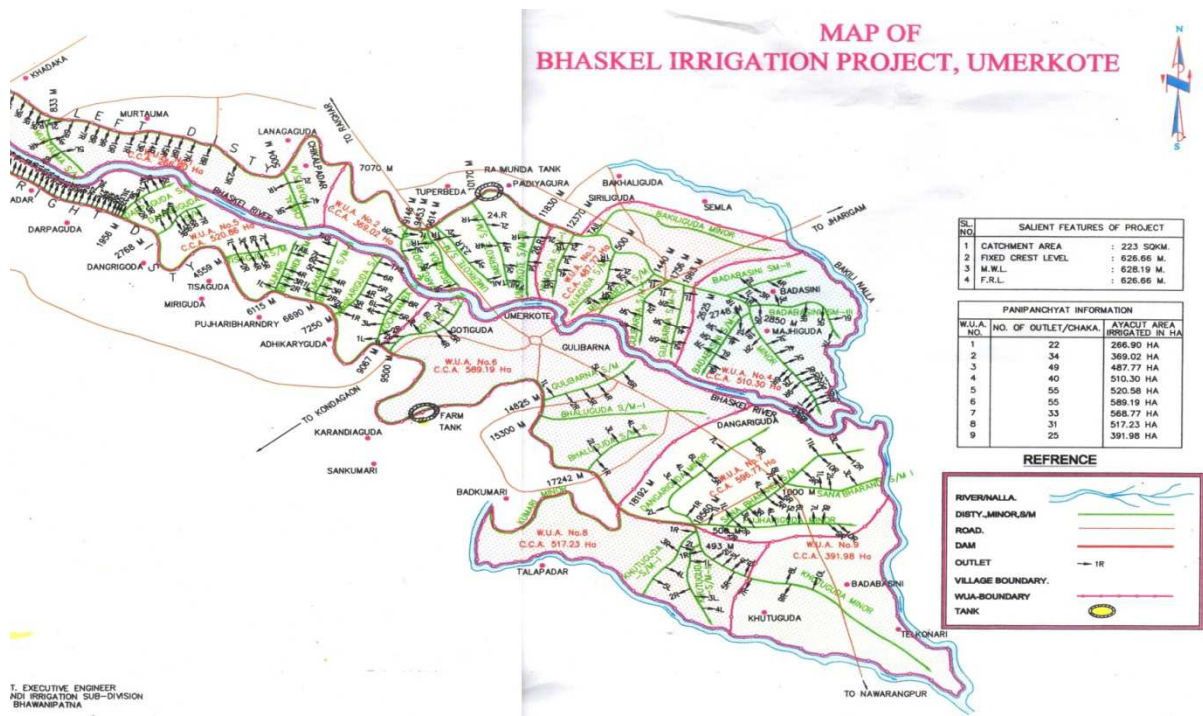
**Year Of Completion 1966**



## **SPILLWAY OF BHASKEL DAM**



### CATCHMENT AND AYACUT OF BHASKEL DAM



### COMMAND AREA OF BHASKEL IRRIGATION PROJECT



**KHARIF IRRIGATION AND STANDING CROPS IN RIGHT DISTRIBUTARY**



**PADDY CROPS IN BHASKEL AYACUT**



**VIEW OF BHASKEL DAM DURING FULL RESERVOIR LEVEL**



**PANIPANCHAYAT APEX BODY MEETING ON THE EVE OF RABI PROGRAMME**

# BHASKEL IRRIGATION PROJECT

## SALIENT FEATURES

1. Location – Near village Pujariguda ( 15K.M.from Umarkote.)
2. Hydrology – Catchment Area – 223 sq.K.M.  
Mean Monsoon Rainfall- 1198.00mm.  
Max.Flood Discharge- 566 cumec.
3. Reservoir - Gross storage at F.R.L. – 2982 Ham.  
Gross Storage at M.W.L.-3760 Ham.  
Gross Storage at D.S.L.- 216 Ham.  
Live Storage - 2766 Ham.  
F.R.L.-626.66, M.W.L.- 628.19 ,T.B.L.- 630.50m.  
D.S.L.- 618.44 , Submerged Area at F.R.L.- 642.26 Ha.
4. Main Dam -Type - Earth Dam  
Length – 1585m.  
Max. Height – 22.86m.  
Top width – 4.87 m.
5. Spill way – Type - Masonry Overflow  
Length – 87.78m.  
Crest Level – 626.66m.
6. Distribution System

Description	Right Distributary	Left Distributary
C.C.A.	2616 Ha	1634 Ha
Length of Disty.	19.56 K.M.	13.07 K.M.
Miner & Sub-Minor	19 nos	17 nos
Length of Minor and Sub-Minor	29.67K.M.	20.75 K.M.
F.S.D. at Head	1.10/1.0	0.94
B.W. at Head	5.0m	4.0m
Canal Discharge	2.56 cumec	1.96 cumec
Pani Panchayat	5nos (1603 Ben.)	4 nos ( 1053 Ben.)

